

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449) <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; transform: rotate(-45deg); transform-origin: center;"> JAN 24 2002 PATENT & TRADEMARK OFFICE </div>				ATTY. DOCKET NO. CI-0010		APPLN. SERIAL NO. 09/960,700	
				APPLICANT(S) Wilson BURGESS, William N. DROHAN, Martin J. MACPHEE and David M. MANN			
				FILING DATE September 24, 2001		GROUP 1744	

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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
MM	RE. 23,195	02/1950	Arno Brasch	{	{		
	2,832,689	04/1958	Bernard E. Proctor et al.				
	2,920,969	01/1960	E.S. Stoddard				
	2,962,380	11/1960	J.H. Wertheim				
	3,620,944	11/1971	Keiko Tanito				
	3,743,480	07/1973	John D. Falk				
	3,779,706	12/1973	Nablo				
	4,136,094	01/1979	Condie				
	4,251,437	02/1981	Rasmussen et al.				
	4,282,863	08/1981	Beigler et al.				
MM	4,330,626	05/1982	Blair et al.				
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
MM	2,056,619	10/1991	Canada	{	{		
	0 310 316	04/1989	Europe				
	0 334 679	09/1989	Europe				
	WO 90/00907	02/1990	PCT Int'l.				
	WO 91/16060	10/1991	PCT Int'l.				
MM	WO 95/03071	02/1995	PCT Int'l.				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
MM	AABB FDA Liaison Meeting, ABC Newsletter, December 12, 1997, pps. 14						
MM	Tikvah Alper et al., The Exceptionally Small Size of the Scrapie Agent, 1966, pps. 278-284, Biochemical and Biophysical Research Communications, Vol. 22, No. 3						
EXAMINER				DATE CONSIDERED			
L. McKane				9/23/03			

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LM	4,370,264	01/1983	Kotitschke et al.	7	A	
	4,409,105	10/1983	Hayashi et al.			
	4,472,840	09/1984	Jefferies			
	4,620,908	11/1986	Van Duzer			
	4,933,145	06/1990	Uchida et al.			
	4,946,648	08/1990	Dichtelmüller et al.			
	4,963,356	10/1990	Calenoff et al.			
	5,000,951	03/1991	Bass et al.			
	5,106,619	04/1992	Wiesehahn et al.			
	5,134,295	07/1992	Wälischmiller			
LM	5,185,371	02.1993	Rubinstein			

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LM	Tikvah Alper et al., Protection by Anoxia of the Scrapie Agent and Some DNA and RNA Viruses Irradiated as Dry Preparations, 1968, pps. 157-166, J. gen. Virol., Vol. 3
LM	Tikvah Alper et al., Does the Agent of Scrapie Replicate Without Nucleic Acid? May 20, 1967, pps. 764-766, Nature, Vol. 214
LM	Tikvah Alper et al., The Scrapie Agent: Evidence Against its Dependence For Replication on Intrinsic Nucleic Acid, 1978, pps. 503-516, J. gen. Virol., Vol. 41

EXAMINER <i>R. McCarone</i>	DATE CONSIDERED <i>9/23/03</i>
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UM	5,226,065	07/1993	Held et al.			
	5,362,442	11/1994	Kent			
	5,418,130	05/1995	Platz et al.			
	5,460,962	10/1995	Kemp			
	5,510,122	04/1996	Sreebny et al.			
	5,603,894	02/1997	Aikus et al.			
	5,609,864	03/1997	Shanbrom			
	5,637,451	06/1997	Ben-Hur et al.			
	5,712,086	01/1998	Horowitz et al.			
	5,730,933	03/1998	Peterson			
UM	5,817,528	10/1998	Böhm et al.			

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UM	R.H. Bassin et al., Abrogation of Fv-1 ^b Restriction With Murine Leukemia Viruses Inactivated by heat or by Gamma Irradiation, May 1978, pps. 306-315, Journal of Virology, Vol. 26, No. 2					
UM	Guy Beauregard et al., Temperature Dependence of the Radiation Inactivation of Proteins, 1985, pps. 117-120, Analytical Biochemistry, Vol. 150					

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L. mcCarroll

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LM	5,837,313	11/1998	Ding et al.	7	2	
	5,881,534	03/1999	Ahlqvist et al.			
	5,981,163	11/1999	Horowitz et al.			
	5,986,168	11/1999	Noishiki			
	6,046,024	04/2000	Burton et al.			
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	6,087,141	07/2000	Margolis-Nunno et al.			
	6,120,592	09/2000	Brault et al.			
	6,159,490	12/2000	Deghenghi			
LM	6,171,549	01/2001	Kent			

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LM	David R. Brown et al., Antioxidant Activity Related to Copper Binding of Native Prion Protein, 2001, pps. 69-76, Journal of Neurochemistry, Vol. 76
LM	P. Brown, The Risk of Blood-Borne Creutzfeldt-Jakob Disease, 1999, pps. 53-59, Advances in Transfusion Safety Dev. Biol. Vol. 102
LM	P. Brown et al., Further Studies of Blood Infectivity in an Experimental Model of Transmissible Spongiform Encephalopathy, With an Explanation of Why Blood Components Do Not Transmit Creutzfeldt-Jakob Disease in Humans, November/December 1999, pps. 1169-1178, Transfusion, Vol. 39

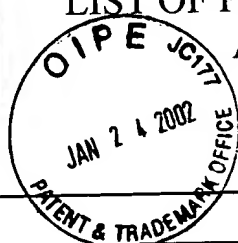
EXAMINER <i>L. McNamee</i>	DATE CONSIDERED <i>9/23/03</i>
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LM	Derwent Publication - AN 2159557, <i>prior art.</i>
	Derwent Publication - AN 2526936, <i>prior art.</i>
	P. Di Simplicio et al., The Reactivity of the SH Group of Bovine Serum Albumin With Free Radicals, 1991, pps. 253-262, Free Rad. Res. Comms., Vol. 14, No. 4
	Duane C. Eichler et al., Radiation Inactivation Analysis of Enzymes, July 15, 1987, pps. 9433-9436, The Journal of Biological Chemistry, Vol. 262, No. 20
	Luanne H. Elliott et al., Inactivation of Lassa, Marburg, and Ebola Viruses by Gamma Irradiation, Oct. 1982, pps 704-708, Journal of Clinical Microbiology, Vol. 16, No. 4
	Fields et al., Susceptibility of Scrapie Agent to Ionizing Radiation, April 5, 1969, pps. 90-91, Nature, Vol. 222
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LM	H. Hiemstra et al., Inactivation of Human Immunodeficiency Virus by Gamma Radiation and its Effect on Plasma and Coagulation Factors, 1991, pps. 32-39, Transfusion, Vol. 31, No. 1

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L. McKane

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<i>UM</i>	B. Horowitz et al., Inactivation of Viruses in Labile Blood Derivatives, II. Physical Methods, 1985, pps. 523-527, Transfusion, Vol. 25, No. 6	
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	A.D. Kitchen, Effect of Gamma Irradiation on the Human Immunodeficiency Virus and Human Coagulation Proteins, 1989, pps. 223-229, Vox Sang, Vol. 56	
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	R. Latarjet et al., Inactivation of the Scrapie Agent by Near Monochromatic Ultraviolet Light, September 26, 1970, pps. 1341-1343, Nature, Vol. 227	
	Douglas C. Lee et al., A Direct Relationship Between the Partitioning of the Pathogenic Prion Protein and Transmissible Spongiform Encephalopathy Infectivity During the Purification of Plasma Proteins, April 2001, pps. 449-455, Transfusion, Vol. 41	
	Susan F. Leitman, Use of Blood Cell Irradiation in the Prevention of Posttransfusion Graft-vs-Host Disease, 1989, pps. 219-232, Transfus. Sci., Vol. 10	
	Linda Marton et al., Disinfection and Inactivation of the Human T. Lymphotropic Virus Type III/Lymphadenopathy-Associated Virus, August 1985, pps. 400-403, The Journal of Infectious Diseases, Vol. 151, No. 2	
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	Z. Mark Plavsic et al., Resistance of Porcine Circovirus to Gamma Irradiation, April 2001, pps. 32-36, BioPharm	
<i>UM</i>	Pollard, The Effect of Ionizing Radiation on Viruses, pps. 65-71, <i>prior art.</i>	
EXAMINER <i>L. MacCane</i>	DATE CONSIDERED <i>9/23/03</i>	

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LM	Elena Quaglio et al., Copper Converts the Cellular Prion Protein Into a Protease-resistant Species That Is Distinct From the Scrapie Isoform, April 6, 2001, pps. 11432-11438, The Journal of Biological Chemistry, Vol. 276, No. 14		
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	R.G. Rohwer, The Scrapie Agent: "A Virus by Any Other Name", pps. 195-232, Current Topics In Microbiology and Immunology, Vol 172, <i>prior art</i> .		
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	D.E. Wyatt et al., Is There Life After Irradiation? Part I: Inactivation of Biological Contaminants, June 1993, pps 34-39, BioPharm		
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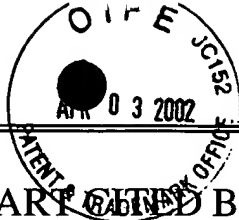
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	Liu Bingci, Mouse Antibody Response Following Repetitive Injections of Gamma-Irradiated human Placenta Collagen, June 1994, pps. 100-103, Chinese Medical Sciences Journal, Vol. 9, No. 2	
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	L. Callegaro et al., Hollow Fiber Immobilized L-Asparaginase: In Vivo and In Vitro Immunological Studies, 1983, pps. 91-96, The International Journal of Artificial Organs, Vol. 6, No. 2	
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	A.G. Chuchalin et al., Clinical Immunosorbents Basing On Space-Network Polymers, 1998, pps. 1524-1529, All Union Research Institute of Chemical Reagents and Chemicals of Special Purity, Moscow	
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EXAMINER <i>L. Melcone</i>	DATE CONSIDERED <i>9/23/03</i>	

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	K. Pietrucha, New Collagen Implant As Dural Substitute, April 1991, pps. 320-323, Biomaterials, Vol. 12		
	Maria Raptopoulou-Gigi et al., Antimicrobial Proteins in Sterilised Human Milk, January 1, 1977, pps. 12-14, British Medical Journal, Vol. 1		
	Edward A. Rittenhouse et al., Sterilization of Aortic Valve Grafts for Transplantation, July 1970, pps. 1-5, Aortic Valve Grafts for Transplantation, Archives of Surgery, Vol. 101, No. 1		
	H. Sato et al., Sterilization of Therapeutic Immunoabsorbents by Ionizing Radiation, 1986, pps. 131-136, The International Journal of Artificial Organs, Vol. 9, No. 2		
	Richard A. Smith et al., Gamma Irradiation of HIV-1, 2001, pps. 815-819, Journal of Orthopaedic Research, Vol. 19		
LM	Barbara Lüssi-Schlatter et al., Die Antimikrobielle Behandlung von Peroralen Enzympräparaten mit Gamma-Strahlen, Pharmazeutisches Institut der Eidgenössischen Technischen Hochschule Zürich Galenische Abteilung, <i>prior art.</i>		
EXAMINER	<i>L. McLean</i>		DATE CONSIDERED <i>9/23/03</i>

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	4,798,611	01/1989	Freeman, Jr.			
	4,865,602	09/1989	Smestad et al.			
	5,283,034	02/1994	Okrongly et al.			
	5,548,066	08/1996	Leneau et al.			
	5,643,464	07/1997	Rhee et al.			
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U.S. PATENT APPLICATION PUBLICATIONS

	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

U.S. PATENT APPLICATIONS

	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
LM	919 918 A2	06/1999	Europe (Abstract)			X	
	919 918 A3	06/1999	Europe (Abstract)			X	
	11-216147	08/1999	Japan (Abstract)			X	
	1321420-A	07/1987	Soviet Union (Abstract)			X	
LM	WO 00/25839	03/2000	PCT Int'l (Abstract)			X	

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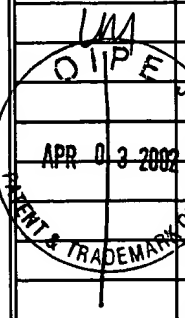
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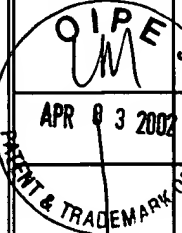
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LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. CI-0010		APPLN. SERIAL NO. 09/960,700	
				APPLICANT Wilson BURGESS et al.			
				FILING DATE September 24, 2001		GROUP 1744	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	WO 01/08611A1	02/2001	PCT Int'l (Abstract)			X	
	WO 01/12318A1	02/2001	PCT Int'l (Abstract)			X	
	WO 01/32107A2	05/2001	PCT Int'l (Abstract)			X	
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FOREIGN PATENT DOCUMENTS

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							Yes	No
	D1							
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	D3							
	D4							
	D5							

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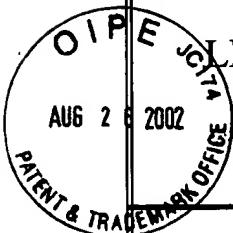
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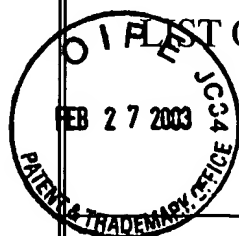
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	E27	Website: www.usacc.org/RevisedStepB.html , Bakaltcheva, I. et al., (FY01 Request for Proposals-Intramural-Revised 2, Combat Casualty Care Research Program, (2002))
	E28	Website: www.benvue.com/history/history_content.html , (2002)
	E29	Website: www.phase-technologies.com/html/vol.2no1.html , Jennings, T.A., (Glossary of Terms for Lyophilization) (1999)
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	E33	Website: www.phase-technologies.com/html/vol.1no7.html , Jennings, T.A., (Which Shelf Temperature During Lyophilization?) (1998)
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EXAMINER	DATE CONSIDERED	
L. McCarone	9/23/03	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



LIST OF PRIOR ART CITED BY APPLICANT

(PTO-1449)

ATTY. DOCKET NO.
CI-0010

APPLN. SERIAL NO.
09/960,700

APPLICANT(S)
Wilson BURGESS, William N. DROHAN,
Martin J. MACPHEE, and David M. MANN

FILING DATE
September 24, 2001

GROUP
1744

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
LM	4,994,237	02/19/91	LOGIN et al.	422	21	11/13/89
LM	6,383,732 B1	05/07/02	STONE	435	1.1	06/01/00
LM	4,727,027	02/23/88	WIESEHAHN et al.	435	173	10/07/85

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*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS

U.S. PATENT APPLICATIONS

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FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

EXAMINER

L. McNamee

DATE CONSIDERED

9/23/03

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LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. CI-0010		APPLN. SERIAL NO. 09/960,700	
				APPLICANT(S) Wilson BURGESS, William N. DROHAN, Martin J. MACPHEE, and David M. MANN			
				FILING DATE September 24, 2001		GROUP 1744	

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EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE

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	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)	
	Robert J. Woods, "Food Irradiation," Endeavor, New Series, Vol. 18, No. 3, 1994, pp. 104-108.
	A. Dziedzic-Goclawski et al., "Sterilisation of Tissue Allografts," Advances in Tissue Banking, Vol. 1, pp. 261-321.
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EXAMINER 	DATE CONSIDERED 9/23/03
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				FILING DATE September 24, 2001		GROUP 1744	

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	6,312,931 B1	11/06/01	O'DWYER et al.	435	173.1	02/11/00	
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	6,485,723 B1	11/26/02	BADYLAK et al.	424	93.7	05/08/00	
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LM	US2002/0064807 A1	04/30/02	BADYLAK et al.	435	34	11/14/01	
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I	US2003/0068815 A1	04/10/03	STONE et al.	435	325	05/17/02	
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	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
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						Yes	No
LM	EP0808167 B1	06/05/02	EPO				
LM	EP0820301 B1	07/24/02	EPO				
LM	WO 00/28552	05/18/00	PCT				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
Robert J. Woods, "Food Irradiation," Endeavor, New Series, Vol. 18, No. 3, 1994, pp. 104-108.							
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EXAMINER <i>R. McCaru</i>				DATE CONSIDERED <i>9/23/03</i>			

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				APPLICANT(S) Wilson BURGESS, William N. DROHAN, Martin J. MACPHEE, and David M. MANN			
				FILING DATE September 24, 2001		GROUP 1744	

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	4,894,253	01/16/90	HEINEMAN et al.	427	36	08/08/88
	5,002,766	03/26/91	RANSBERGER et al.	424	94.2	09/23/88
	5,965,349	10/12/99	LIN et al.	435	2	03/17/97
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	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS

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	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	JP 408098688A	04/16/96	Japan			Abs	
	WO 00/52031	09/08/00	PCT				

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